**DRAFT Test Assertions for VVSG 1.0 Section 7.9.5**

**August 24, 2015**

**Requirement 7.9.5**

**VVSG 1.0 Requirement 7.9.5:** VVPAT records can be printed and stored by two different methods:

* Printed and stored on a continuous spool-to-spool paper roll where the voter views the paper record in a window.
* Printed on separate pieces of paper, which are deposited in a secure receptacle. If a requirement applies to only one method, that will be specified. Otherwise, the requirement applies to both.

**Test Assertions**

None.

**Requirement 7.9.5a**

**VVSG 1.0 Requirement 7.9.5a:** Voter privacy shall be preserved during the process of recording, verifying and auditing his or her ballot selections.

**Test Assertions**

**TA795a-1:** Voter privacy SHALL be preserved during the process of recording his or her ballot selections.

**TA795a-2:** Voter privacy SHALL be preserved during the process of verifying his or her ballot selections.

**TA795a-3:** Voter privacy SHALL be preserved during the process of auditing his or her ballot selections.

**TA795a-4:** For any implementation of the VVPAT, the VVPAT SHALL conform to the usability requirements of 3.1.7.

**TA795a-4-1:** For any implementation of the VVPAT, the VVPAT SHALL conform to the usability requirements of 3.1.7 that reference the ballot interface.

**TA795a-4-2:** For any implementation of the VVPAT, the VVPAT SHALL conform to the usability requirements of 3.1.7 that reference the cast vote record.

**TA795a-5:** For any implementation of the VVPAT, the VVPAT SHALL conform to the test assertions of 3.1.7.

**TA795a-5-1:** For any implementation of the VVPAT, the VVPAT SHALL conform to the test assertions of 3.1.7 that reference the ballot interface.

**TA795a-5-2:** For any implementation of the VVPAT, the VVPAT SHALL conform to the test assertions of 3.1.7 that reference the cast vote record.

**TA795a-6:** IF the voting system produces a paper record, THEN that record SHALL be protected from physical removal by the voter.

**Requirement 7.9.5b**

**VVSG 1.0 Requirement 7.9.5b:** When a VVPAT with a spool-to-spool continuous paper record is used, a means shall be provided to preserve the secrecy of the paper record of voter selections.

**Test Assertions**

**TA795b-1:** If a voter makes ballot selections during a voting session, THEN at the beginning of the next voting session, ballot selections SHALL have original defaultvalues, including but not limited to, empty ballot selections.

**Requirement 7.9.5c**

**VVSG 1.0 Requirement 7.9.5c:** When a VVPAT with a spool-to-spool continuous paper record is used, no record shall be maintained of which voters used which voting machine or the order in which they voted.

**Test Assertions**

None (requirement is operational).

**Requirement 7.9.5d**

**VVSG 1.0 Requirement 7.9.5d:** The electronic and paper records shall be created and stored in ways that preserve the privacy of the voter.

**Test Assertions**

**TA795d-1:** When the electronic records are created the privacy of the voter SHALL be preserved.

**TA795d -2:** When the paper records are created the privacy of the voter SHALL be preserved.

**Requirement 7.9.5e**

**VVSG 1.0 Requirement 7.9.5e:** The privacy of voters whose paper records contain an alternative language shall be maintained.

**Test Assertions**

None (requirement is operational).

**Requirement 7.9.5f**

**VVSG 1.0 Requirement 7.9.5f:** Unique identifiers on the paper record are displayed or formatted in such a way that they are not memorable to voters, such as by obscuring them in other characters.

**Test Assertions**

**TA795f-1:** Unique identifiers SHALL be displayed in a representation that is NOT easily memorable by the voter.

**TA795f-2:** Unique identifiers MAY be obscured in other characters in order to make them NOT easily memorable to the voter. (from Discussion).

**Requirement 7.9.5g**

**VVSG 1.0 Requirement 7.9.5g:** Both paper rolls and paper record secure receptacles shall be controlled, protected, and preserved with the same security as a ballot box.

**Test Assertions**

None (requirement is operational).